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CLMPTO 06/26/03 L.F.

il. A device to treat tissue, comprising:

an outer tube;

- an inner tube disposed at least partially within the outer tube; and
- a dual balloon including an inner balloon and an outer balloon, the inner balloon coupled to the inner tube at a proximal end and at a distal end, the outer balloon coupled to the inner tube at a distal end and to the outer tube at a proximal end, a first interior volume defined between the outer balloon and the inner balloon in fluid communication with an inlet in the volume between the outer tube and the inner tube.
- 2. The device of claim 1, wherein the inner tube further defines:
 - a guidewire lumen;
 - a supply lumen; and
 - a return lumen.
- 3. The device of claim 2, wherein the supply lumen defines a hole such that a fluid flowing in the supply lumen may be caused to flow into a volume defined by the inner balloon, and wherein the return lumen defines a hole such that a fluid flowing in a volume defined by the inner balloon may be caused to flow into the return lumen.
- 4. The device of claim 2, wherein the guidewire lumen extends from a proximal end of the inner tube to a distal end of the inner tube.

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- 5. The device of claim 1, further comprising at least two radially extending tabs disposed around a circumference of the inner tube to substantially center the inner tube within the dual balloon.
- 6. The device of claim 1, further comprising at least one marker band disposed on the inner tube to locate a working region of the device at a desired location.
- 7. The device of claim 1, further comprising a source of chilled fluid having a supply tube and a return tube, the supply tube coupled in fluid communication to the supply lumen and the return tube coupled in fluid communication to the return lumen.
- 8. The device of claim 1, further comprising a source of fluid, the source of fluid coupled in fluid communication to the volume between the inner balloon and the outer balloon.
- The device of claim 7, wherein the fluid is a perfluorocarbon.
- 10. The device of claim 9, wherein the fluid is Galden® fluid.
- 11. The device of claim 18, wherein the fluid is Galden® fluid NT-55.
- 12. The device of claim 8, wherein the fluid includes contrast media.

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13. The device of claim 8, wherein the source of fluid includes a gear pump.

14. The device of claim 13, wherein the gear pump is one selected from the group consisting of a radial spur gear pump and a helical tooth gear pump.

CLAIMS 15-44 CANCELLED.